Fakhri Rasyid Saputro

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SUMMARY

Mobile developer with 3+ years delivering Android/iOS apps and SDKs for government, industrial, and enterprise teams. I ship reliable, scalable features with Kotlin/Compose, Java, SwiftUI, and Flutter, grounded in SOLID, Clean Architecture, CI, and automated tests. Comfortable with clinical device integrations. Clear communicator who mentors and partners with product/design to ship results.

EDUCATION

Informatics Engineering   *2021 - 2025, Semarang, Indonesia*
Universitas Dian Nuswantoro (GPA 3.83 / 4.00)

- Undergraduate Thesis: Development of an Android-Based QR Code Attendance Application with AES Encryption and Device Binding to Prevent Fraud.

WORK EXPERIENCE

Mobile Developer   *January 2025 - Present*
Fischer's Medical Ventures - *Singapore*

- Delivering production Mobile apps that connect to 10+ medical devices (USB/BLE), enabling live streaming, calibration, and remote control with resilient connections and fault-tolerant workflows used by clinicians.
- Researching and prototyping BLE GATT, real-time video, and on-device ML. Turned findings into reference modules and decision docs that accelerating production rollouts.
- Partnered with firmware and backend teams to define protocols and harden flows, shipping clinic-ready Mobile apps with robust offline/retry and end-to-end observability.

Android Engineer Intern   *February 2024 - June 2024*
Traveloka (Travel Activities Department) - *Indonesia*

- Refactored legacy modules and fixed bugs in the Traveloka Android app (50M+ downloads), improving responsiveness across device tiers and strengthening release stability.
- Implemented new features end-to-end using Clean MVVM and MVP architecture. Wrote unit/UI tests across Kotlin and Java, lifting coverage to 70%+ and reducing regressions during releases.
- Researched and proposed integration strategies for Jetpack Compose and modern Android libraries to improve developer efficiency and UI responsiveness.

Mobile Developer   *January 2022 - January 2024*
Freelanxx.it - *Indonesia*

- Designed, built, and shipped 20+ mobile apps across education and retail using Kotlin/Java (Android) and Flutter (cross-platform).
- Led a 4-person team, ran Agile sprints, coordinated cross-functionally, and standardized CI/CD across GitHub, GitLab, and CircleCI.
- Built RESTful API backends using Node.js and Laravel to support mobile features such as authentication, real-time updates, and secure data storage.

Mobile Developer Intern   *July 2022 - August 2022*
Schoters (Project Based Internship) - *Indonesia*

- Delivered Android features in Kotlin with Firebase Realtime Database (live updates) and Crashlytics (instrumentation, alerting), reducing repeat crash types during the program.
- Practiced version control (Git) as part of a remote internship program simulating real-world development environments.

LEADERSHIP EXPERIENCE

Google Developer Student Club UDINUS (GDSC Udinus)   *August 2023 - July 2024*
- **Head of Event Core Team:** Effectively led, organized, and managed 5+ tech events & bootcamps with 200+ attendees, driving growth and engagement across the developer community.
- **Android Development Speaker:** Delivered Jetpack Compose workshops with 200+ participants, featuring live coding, hands-on labs, and open-source sample repos.

Dinus Open-Source Community (DOSCOM)   *August 2022 - July 2024*
- **Head of Human Resource Field:** Actively led and managed 80+ community members across Programming, Multimedia, and Network divisions, driving training, mentorship, and knowledge-sharing culture.
- **Android Development Mentor Lead:** Trained mentors and taught students in Kotlin, OOP, and Android fundamentals. Conducted Android workshops at 3 vocational high schools (SMKN 9 Semarang, SMK Palapa, SMK Nurul Barqi).

CERTIFICATIONS

Meta Android Developer Professional Certificate *(Go to Certificate)*   *Meta, 2025*
Meta React Native *(Go to Certificate)*   *Meta, 2025*
Traveloka Internship Certificate *(Go to Certificate)*   *Traveloka, 2024*
Google Developer Students Club Core Team *(Go to Certificate)*   *GDSC, 2024*
Schoters Mobile Apps Developer Internship *(Go to Certificate)*   *Schoters, 2022*

SKILLS

- **Programming Languages:** Kotlin, Java, Swift, Dart, Typescript, JavaScript, PHP, Python.
- **Frameworks:** Jetpack Compose, KMP, SwiftUI, Flutter, Vue, React Native, Laravel.
- **Mobile Development Needs:** MVVM, MVP, TDD, OOP, Modularization, Reactive Programming, Dependency Injection, CI/CD, Jenkins, Firebase.

PROJECTS

Digihealth Kiosk ATM (Java)
Fischer's Medical Ventures • https://www.fakhrirasyids.me/projects/fmv-digihealth-kiosk

Stethoscope (Flutter)
Fischer's Medical Ventures • https://www.fakhrirasyids.me/projects/fmv-stethoscope

X-Ray (Kotlin)
Fischer's Medical Ventures • https://www.fakhrirasyids.me/projects/fmv-xray

Patient Health Companion (Flutter)
Fischer's Medical Ventures • https://www.fakhrirasyids.me/projects/fmv-patient-health-companion

Traveloka Xperience (Ticket Detail) Project
Traveloka • https://www.fakhrirasyids.me/projects/teddy-project

Traveloka Xperience (Ticket Detail V2) Project
Traveloka • https://www.fakhrirasyids.me/projects/tweety-project

Traveloka Cruise (LP-SR) Project
Traveloka • https://www.fakhrirasyids.me/projects/lp-sr-cruise-project

Leech (Android SDK)
Open-Source Project • https://www.fakhrirasyids.me/projects/leech-android-library

Highlightor (Android SDK)
Open-Source Project • https://www.fakhrirasyids.me/projects/highlightor-android-library

Floating Menu (iOS SDK)
Open-Source Project • https://www.fakhrirasyids.me/projects/floating-menu-ios-package

Space Attack (Kotlin Multiplatform, Jetpack Compose, SwiftUI)
Personal Project • https://www.fakhrirasyids.me/projects/space-attack-kmp-swiftui

Stasave (Jetpack Compose)
Personal Project • https://www.fakhrirasyids.me/projects/stasave-jetpack-compose

Beritaln (SwiftUI)
Personal Project • https://www.fakhrirasyids.me/projects/beritain-swiftui

Traffic Sense (Kotlin)
Personal Project • https://www.fakhrirasyids.me/projects/traffic-sense-kotlin

Ndoro Kojo Livestock Application (Kotlin)
Pemerintah Kabupaten Semarang • https://www.fakhrirasyids.me/projects/ndoro-kojo-kotlin

Jukee (Java)
Freelanxx.it • https://www.fakhrirasyids.me/projects/jukee-java

Beataco (Java Swing)
Personal Project • https://www.fakhrirasyids.me/projects/beataco-java-swing

My Heavy Equipment (Kotlin)
Freelanxx.it • https://www.fakhrirasyids.me/projects/my-heavy-equipment-kotlin

EcoQuest (Kotlin)
Freelanxx.it • https://www.fakhrirasyids.me/projects/ecoquest-kotlin

Berita.in (Kotlin)
Personal Project • https://www.fakhrirasyids.me/projects/berita-in-kotlin

Examine (Kotlin)
Undergraduate Thesis Project • https://www.fakhrirasyids.me/projects/examine-kotlin

Sakuku (Kotlin)
Freelanxx.it • https://www.fakhrirasyids.me/projects/sakuku-kotlin

BankIT (Java)
Freelanxx.it • https://www.fakhrirasyids.me/projects/bankit-java

Hangman (Java)
Freelanxx.it • https://www.fakhrirasyids.me/projects/hangman-java

Laundry (Jetpack Compose)
Freelanxx.it • https://www.fakhrirasyids.me/projects/laundry-jetpack-compose

PicDF (Jetpack Compose)
Freelanxx.it • https://www.fakhrirasyids.me/projects/picdf-jetpack-compose

Aromaloka (Kotlin)
Freelanxx.it • https://www.fakhrirasyids.me/projects/aromaloka-kotlin-slicing

Gamography (SwiftUI)
Personal Project • https://www.fakhrirasyids.me/projects/gamography-swiftui

Capstone App (Kotlin)
Freelanxx.it • https://www.fakhrirasyids.me/projects/capstone-app-kotlin-slicing